

ABSTRACT OF THE DISCLOSURE

An embodiment of the present invention provides a method for validating data using version identifier IMD along with at least one other type of IMD embedded within a data block. Each type of IMD corresponds to a data verification operation. In conjunction, the multiple data verification operations protect against a larger class of data corruption errors than each would individually. For one embodiment, a data block is accessed, the data block being one of a plurality of data blocks mapped to a physical sector. Each of the data blocks contains a user data segment and an associated IMD segment. Each of the IMD segments includes a version identifier IMD and at least one other type of IMD. The data block is validated by verifying the version identifier IMD and at least one of the at least one other type of IMD.